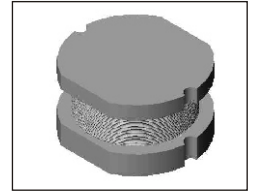


SMT Power Inductor

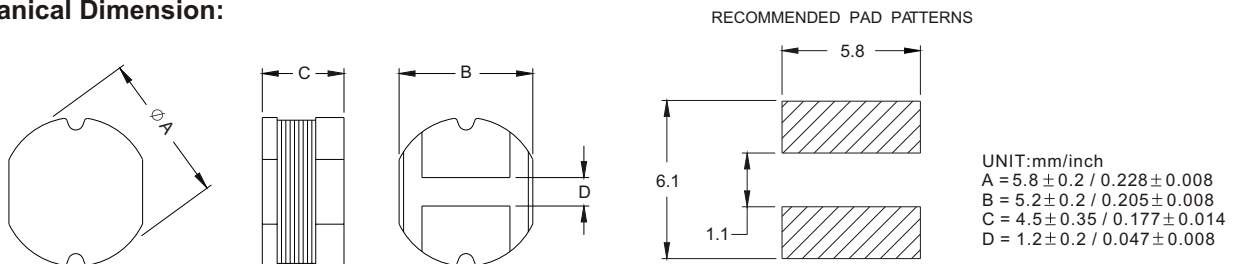
SI65 Type

Features

- RoHS compliant.
- Low profile (4.85mm max. height) SMD type.
- Unshielded.
- Self-leads, suitable for high density mounting.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor applications.
- In addition to the standard versions shown here, customized inductors are available to meet your exact requirements.

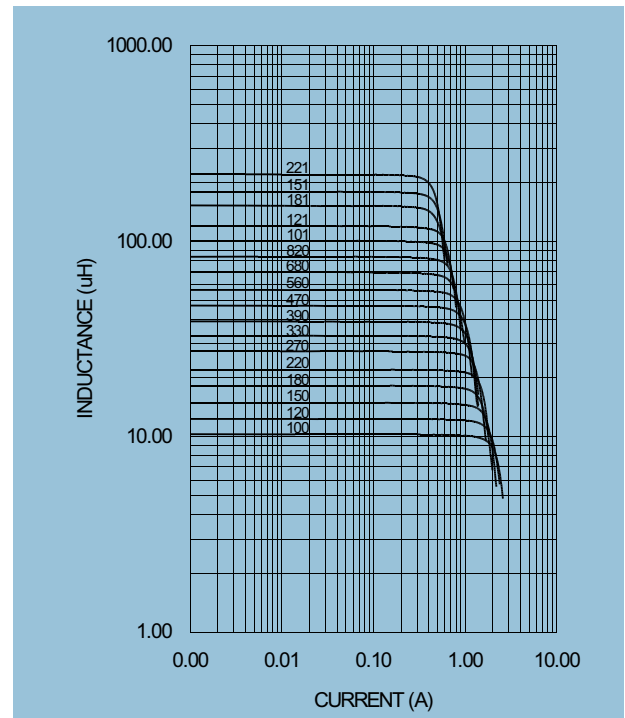


Mechanical Dimension:



Electrical Characteristics: 25°C, 100KHz, 0.1V for 0.33~8.2uH. 1KHz, 1.0V for 10uH~220uH.

PART NO.	L ¹ (uH)	DCR (Ω) MAX	I _{rated} ² (Adc)
SI65 - R33	0.33	0.0043	8.50
SI65 - R56	0.56	0.0095	6.60
SI65 - R78	0.78	0.0070	6.00
SI65 - R82	0.82	0.0110	6.00
SI65 - 1R0	1.00	0.0125	4.50
SI65 - 1R5	1.50	0.0160	4.00
SI65 - 2R2	2.20	0.0230	3.20
SI65 - 2R7	2.70	0.0250	2.90
SI65 - 3R3	3.30	0.0300	2.60
SI65 - 4R7	4.70	0.0340	2.30
SI65 - 6R8	6.80	0.0550	1.80
SI65 - 8R2	8.20	0.0600	1.70
SI65 - 100	10.00	0.0500	1.50
SI65 - 120	12.00	0.1200	1.40
SI65 - 150	15.00	0.1400	1.30
SI65 - 180	18.00	0.1500	1.20
SI65 - 220	22.00	0.1800	1.10
SI65 - 270	27.00	0.2000	0.97
SI65 - 330	33.00	0.2300	0.88
SI65 - 390	39.00	0.3200	0.80
SI65 - 470	47.00	0.3700	0.72
SI65 - 560	56.00	0.4200	0.68
SI65 - 680	68.00	0.4600	0.61
SI65 - 820	82.00	0.6000	0.58
SI65 - 101	100.00	0.7000	0.52
SI65 - 121	120.00	0.9300	0.48
SI65 - 151	150.00	1.1000	0.40
SI65 - 181	180.00	1.3800	0.38
SI65 - 221	220.00	1.5700	0.35



1. Tolerance of inductance : ±15% for 0.33~8.2uH, ±10% for 10~220uH.
2. I_{rated} is the DC current which cause the inductance drop less than 10% of its nominal inductance without current and the surface temperature of the part increase less than 45 C.
3. Operating temperature: -20 C to 105 C (including self-temperature rise).



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